Manufacturing processes for Se-alkylselenocysteine, Se-allylselenocysteine, Se-arylselenocysteine

Abstract of Disclosure

Convenient processes are described for the synthesis of L-Se-methyselenocysteine from chloroalanine derivatives. Chloroalanine itself is produced in a new method involving Serine methyl ester hydrochloride and thionyl chloride. The process is easily extendable to other selenium substituted amino acids. DL-Se-methylselenocysteine is easily obtained by an aldehyde-catalyzed racemization of L-Se-methyselenocysteine.

Figures